MODIS sensor Working Group (MsWG) Meeting Summary October 31, 2007

Attendance: Chris Moeller, Eric Vermote, Roy Yi, Scott Blanchard, Hongda Chen, Gary Toller, Junqiang Sun, Elena Novakovskaia, Bill Barnes, Aisheng Wu, Jack Xiong, Brian Wenny

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Aqua forward update – 5.0.7.25 (10/29/07) – m1
- Terra Ocean special delivery (10/31/07) – m1, RVS (time dependent B13-16 RVS using lunar ratio approach)

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Terra Drag Makeup Maneuver scheduled for 11/8/07 (Day 312) at 17:34:00

Item 3: MCST recent activities

- Collection 6 Issue Update:
    - Fill Value vs Interpolated for dead detectors – a second set of test data is in process. This is a 'worst case scenario' test with at least one detector in each band artificially declared dead in the QA LUT. For Bands 1 and 2, one, two adjacent, and four adjacent detectors have been set to dead to investigate effects on the aggregate products. For Bands 3-7, one and two adjacent detectors are similarly declared dead. All 1-km bands have at least one dead detector. Once the test granules have been produced, notification will be sent for the science teams to test.
    - Subframe QA – Initial discussion between MCST and L1B on how to declare individual subframes as dead or noisy. L1B group developing code changes necessary to achieve this.
- Follow-up discussions on RSB Mirror Side ratio analysis
    - Results for analysis of Aqua data (similar to that shown for Terra at the 10/17/07 MsWG) was presented. Unlike Terra data, Aqua displays no mirror side difference with band, AOI, geolocation, or season. This is consistent with the opinion that polarization effects are responsible for the differences seen for Terra, as Aqua pre-launch RSB polarization parameter measurements showed little mirror side difference (unlike Terra). Further analysis is planned to look at the ratio trending over different surface types. Eric Vermote will provide results from simulations of the polarization effects at a future MsWG telecon.

Item 4: Around the Table

- Jack Xiong: Current thought is that there will be no MODIS Science Team meeting in Dec/Jan, but a joint VIIRS & MODIS meeting in the spring. A MCST Calibration Workshop is proposed (location TBD) for late this year or early January to discuss calibration and Collection 6 issues.

Next Meeting: ~Nov 14, 2007

Compiled by B. Wenny